

Storm Data and Unusual Weather Phenomena - May 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WISCONSIN, Southeast				
(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA	05/05/10 13:00 CST		0.24M	Strong Wind (MAX 45 kt)
	05/05/10 18:00 CST	3	0	

Strong southwest to west winds affected all of south-central and southeast Wisconsin on May 5th. Maximum wind gusts were 39 to 45 knots (45 to 52 mph). Small trees were knocked down or tree limbs were broken. Some of these fell on power-lines resulting in scattered power outages, especially in the counties of Green Lake and Columbia. The strong winds were generated by a deepening low pressure over Lake Superior moving eastward. The atmosphere mixed all the way up to 8 to 10 thousand feet above the ground which allowed for the mixing down of higher momentum air to the surface. The strong winds affected the nearshore waters of Lake Michigan east of Sheboygan to Kenosha, but no damage was reported.

Three Fitchburg (Dane Co.) police officers were injured (direct injury) when they were hit by an 8-foot-by-8-foot section of wall that was wind-blown off a trailer being used for training purposes. In the Township of Albion (southeast Dane Co.) a man-made debris fire got out of control when the wind pushed the flames onto a nearby barn. The barn and contents were a total loss. Inside the barn were stored 5 boats, 3 classic cars, farm machinery, and tools. The barn and contents loss (estimated at \$300,00) would be indirectly related to this strong wind event. Consequently, the \$300K in damage is not part of the \$240K in property damage listed in the header strip of this strong wind event. Elsewhere, it was assumed that there were at least a couple power-lines down in each county listed in this event (loss of \$10K), and damage amounts are estimated.

(WI-Z052) SHEBOYGAN, (WI-Z060) OZAUKEE, (WI-Z066) MILWAUKEE, (WI-Z071) RACINE, (WI-Z072) KENOSHA	05/21/10 08:00 CST	0	Dense Fog
	05/22/10 08:00 CST	0	

Dense fog developed over southeast Wisconsin along the Lake Michigan thanks to a cool, moist southeast flow from over the lake. Light rain occurred prior to the dense fog. Visibilities were reduced to 1/8 to 1/4 mile. Airplane flights were delayed at Milwaukee Mitchell Field.

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH	05/21/10 21:00 CST	0	Dense Fog
	05/22/10 08:00 CST	0	

Dense fog developed over southeast Wisconsin along the Lake Michigan thanks to a cool, moist southeast flow from over the lake. Light rain occurred prior to the dense fog. Visibilities were reduced to 1/8 to 1/4 mile. Airplane flights were delayed at Madison Truax Field.

DANE COUNTY --- 2.0 W MADISON MOREY ARPT [43.12, -89.57]			
	05/25/10 07:45 CST	20K	Lightning
	05/25/10 07:45 CST	0	Source: Newspaper

Lightning struck a house and caused a fire.

GREEN COUNTY --- ALBANY [42.70, -89.43]			
	05/25/10 14:28 CST	0	Thunderstorm Wind (EG 56 kt)
	05/25/10 14:28 CST	0	Source: Law Enforcement

Powerful thunderstorm winds gusts to an estimated 65 mph downed several trees. Not related to this wind event, but in the Juda area water covered County Highway OK (only a few inches) southeast of Juda thanks to about 1.5 inches of rain in a short period of time. Just north of Brodhead water covered County Highway E (only a few inches) thanks to similar rainfall amount. No damage was reported, therefore no flood event was entered into Storm Data for Green County.

SHEBOYGAN COUNTY --- ELKHART LAKE [43.83, -88.02], 2.0 S ELKHART LAKE [43.80, -88.02]			
	05/26/10 17:05 CST	75K	Thunderstorm Wind (EG 65 kt)
	05/26/10 17:10 CST	0	Source: Emergency Manager

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Powerful thunderstorm winds toppled about three dozen large trees and resultant tree debris knocked down at least a dozen to two dozen power-lines. About 800 customers lost electrical power, but by 2200 CST all power was restored. One light pole was knocked down at Lincoln St. and Rhine St. in the Elkhart Lake area. One tree fell onto an automobile at the Osthoff Resort near Elkhart Lake and damaged it.				

SHEBOYGAN COUNTY --- 0.9 E PLYMOUTH [43.75, -87.96]

05/26/10 17:41 CST	5K	Lightning
05/26/10 17:41 CST	0	Source: Newspaper

Lightning stuck an underground power cable in the 300 block of N. Highland Ave. in Plymouth. About 300 customers lost power for about 2.5 hours.

SHEBOYGAN COUNTY --- 2.8 WNW SHEBOYGAN CO MEM ARP [43.79, -87.90]

05/26/10 17:49 CST	20K	Lightning
05/26/10 17:49 CST	0	Source: Newspaper

Lightning struck and damaged an electrical overhead system on a line just south of the intersection of County Highways J and M. About 500 customers were without power for about 4 hours.

KENOSHA COUNTY --- 1.3 E PADDOCK LAKE [42.58, -88.09]

05/26/10 20:30 CST	15K	Lightning
05/26/10 20:30 CST	0	Source: Newspaper

A home in the Village of Salem experienced a smoldering fire in the attic after lightning struck nearby power lines and followed the lines into the house. The insulation on the home's electrical lines was burned off. The time of this event is estimated based on radar and forecast products tracking the thunderstorms that produced the lightning.

A weakly sheared environment with modest CAPE values and high precipitable water values lead to periods of slow-moving, yet relatively strong, thunderstorms to slowly drift southward over parts of south-central and southeast Wisconsin between the morning of 25 May and through the evening of 26 May. Main hazards with these storms were severe wind gusts and high rainfall rates.

ROCK COUNTY --- 5.0 NNE FOOTVILLE [42.74, -89.16]

05/31/10 02:45 CST	0	Hail (1.00 in)
05/31/10 02:45 CST	0	Source: Public

ROCK COUNTY --- MILTON [42.77, -88.95]

05/31/10 03:15 CST	0	Hail (1.00 in)
05/31/10 03:15 CST	0	Source: Law Enforcement

A large and intense thunderstorm formed out ahead of a cold front which extended from Port Washington (Ozaukee County) through eastern Jefferson County. The thunderstorm produced large hail in the early morning hours.